

FIG. 1

Dependency
Table
200

| Branch ID | Sequence number of oldest valid uop | branch ID invalid? | Dependency Vector |
|--------------|--|--------------------|-------------------|
| 1 | 000010 | 0 | |
| 2 | 000001 | 1 | 00001 |
| 3 | | 1 | 00011 |
| 4 | 000100 | 0 | 00001 |
| 5 | | 0 | 01001 |

FIG. 2

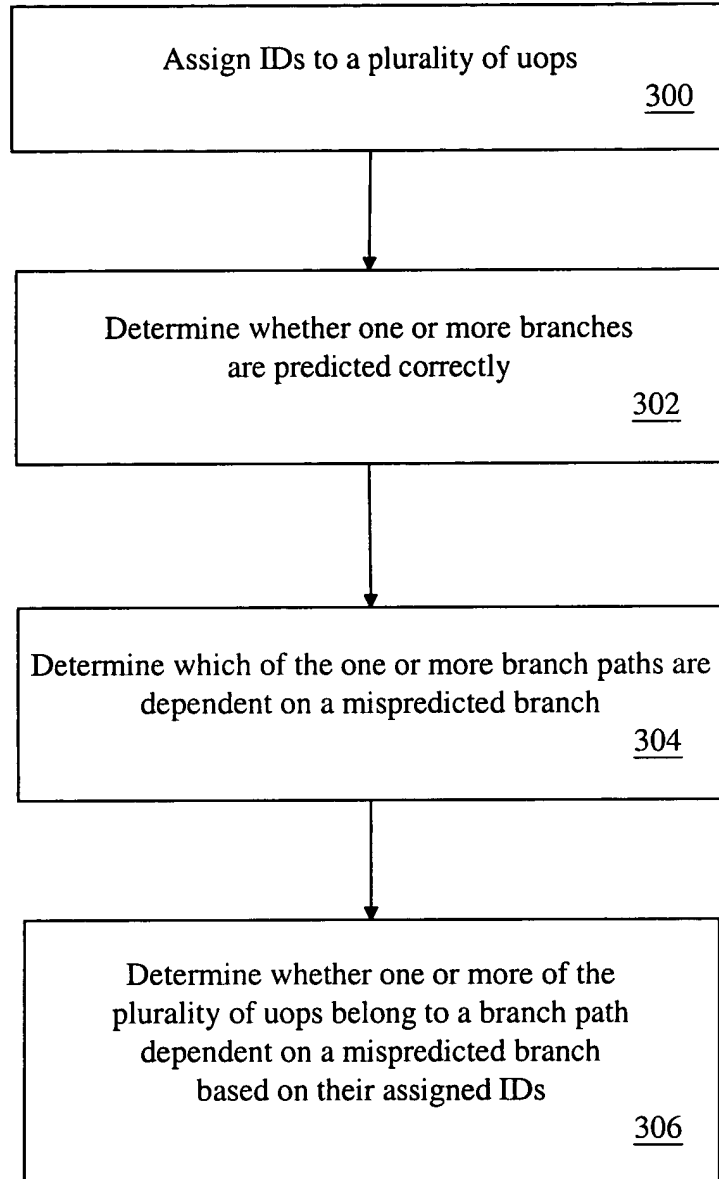


FIG. 3

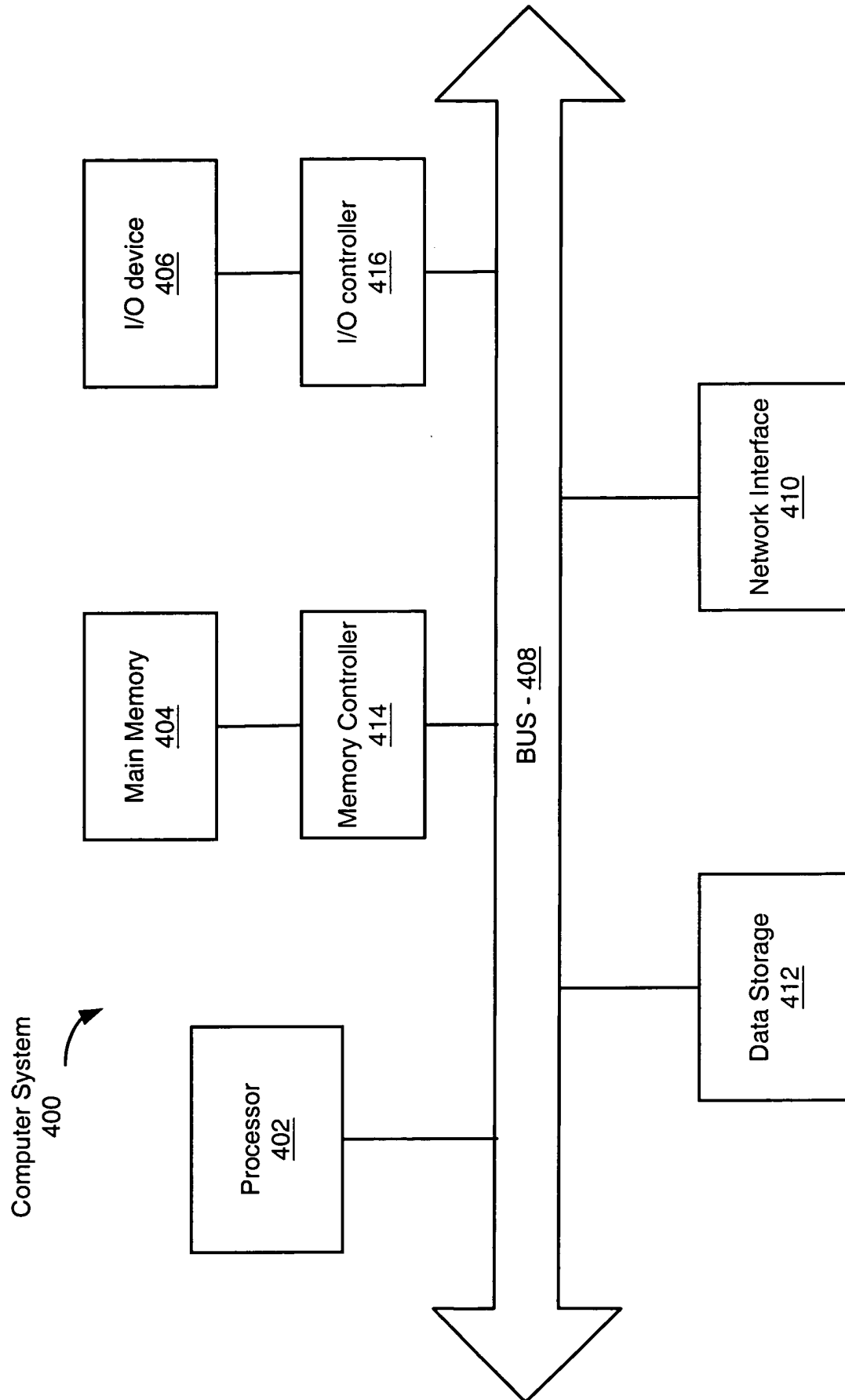


FIG. 4